

Abstract

5 The invention concerns refrigerant compositions which comprise a hydrofluorocarbon based
refrigerant and, mixed with the refrigerant, a polyol ester based lubricant. According to the
invention the polyol ester comprises a diol having a strongly sterically hindered hydrogen
attached to the carbon in position 2, said diol being esterified with a mixture of mono- and
diabasic carboxylic acids. In particular the diol is 2-ethyl-1,3-hexanediol or 1,4-dimethylol-
10 cyclohexane. The complex esters in refrigerant mixtures have good lubricant properties and good
solubility in HFC compounds.